

Lifecycle Upkeep Sustainment Intelligence (LUSI™)

A leading security classified collaboration hub [PROTECTED] for class specific vessels, delivering reliable availability, driven by an intuitive and innovative sustainment operational intelligence layer.



Major Client Challenges: Resolved



Legacy Data Foundation



Unstructured Information from Complex Data Taxonomies



Security Vulnerabilities in Obsolete Applications



Lack of Connected, Synchronised Operational Data



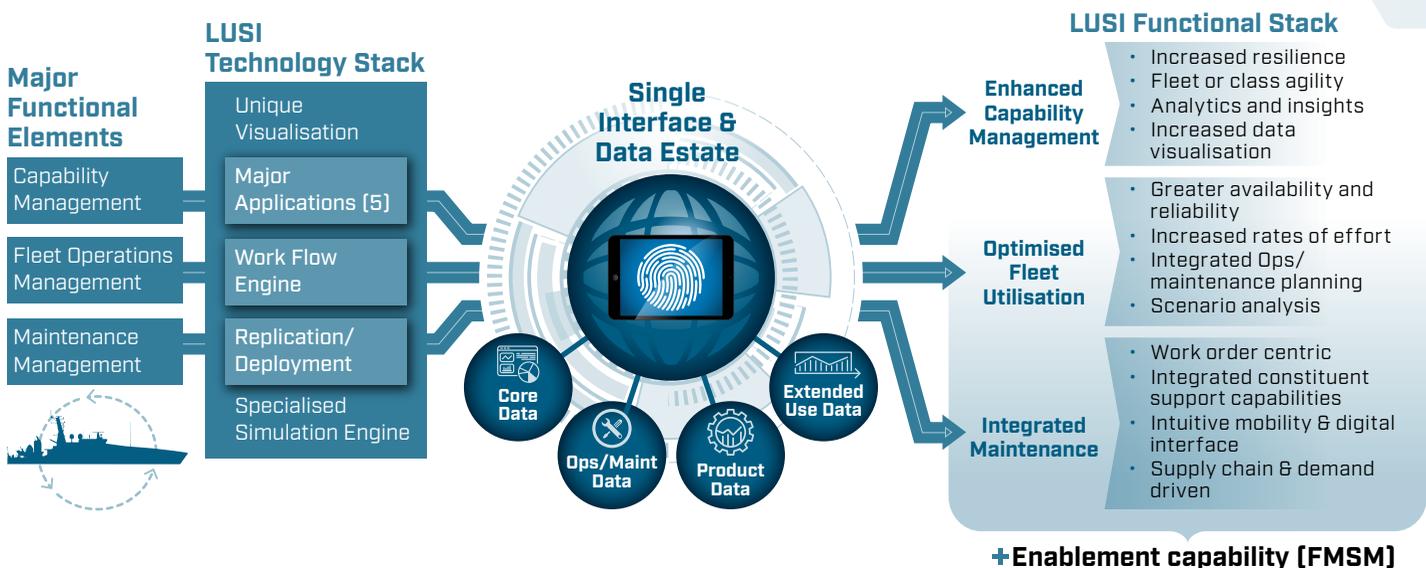
Limited Vessel & Fleet Intelligence

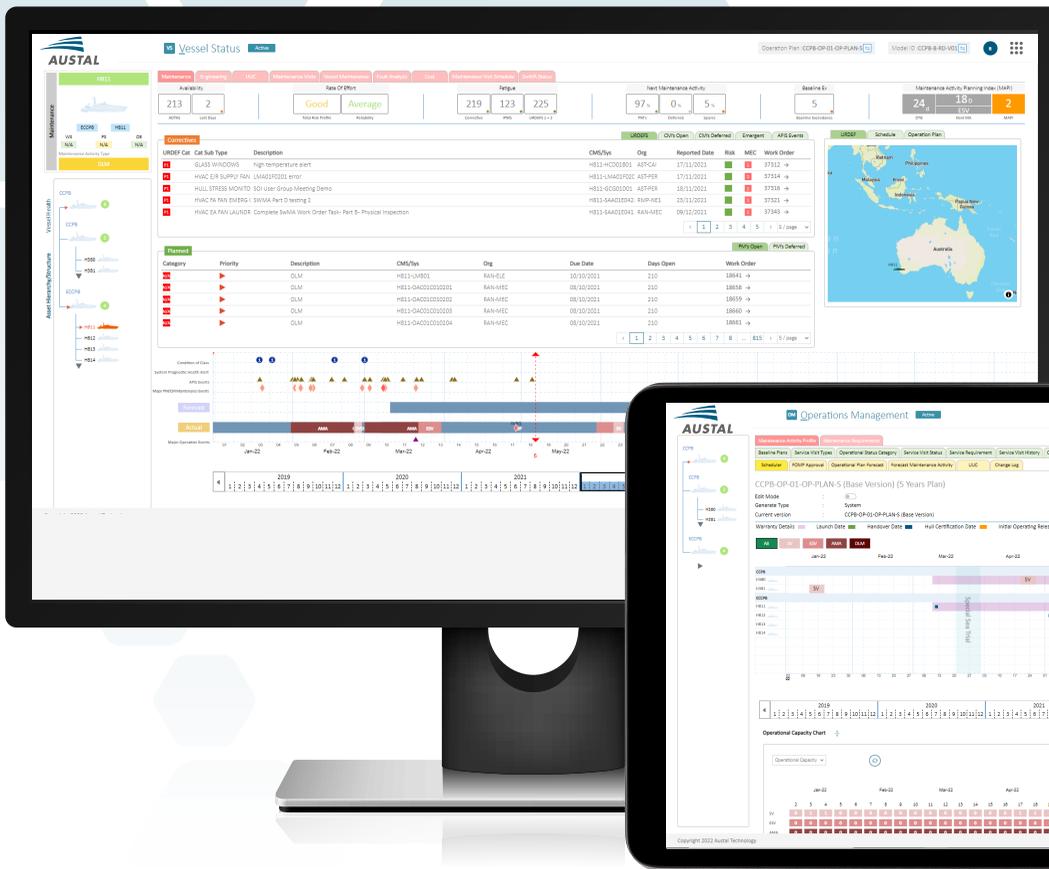


Disconnected Lifecycle Management

LUSI embodies the future of maritime sustainment:

- ✓ Addressing the inter-relationships within its ecosystem, by seamlessly integrating Capability, Fleet Operations and Maintenance Management functions into a single platform.
- ✓ Providing powerful analytics for enterprise participants via a 'single interface & data estate'.
- ✓ Elevates data acquisition and management, transforming it into real-time intelligence for comprehensive asset and fleet oversight.
- ✓ Ensures data structure integrity and security in highly transactional settings,
- ✓ A robust foundation that enables the future harnessing of advanced data services such as AI and ML.
- ✓ **Reliable and real-time ship to shore synchronous communications.**





LUSI Benefits

Offering a suite of innovative features that drive unparalleled benefits. Central to its design is the capability to transform data into meaningful, actionable insights, elevating fleet management from individual assets to a comprehensive fleet perspective.

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Cognitive Advantage: By democratising transactional data, it ensures coherent fleet planning, and optimises individual vessel health.
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Enhanced Decision Making: Through its sustainment analytics and visualisation, LUSI guarantees real-time vessel readiness, promoting seaworthiness and streamlined availability.
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Modern Data Handling: With its next-gen applications, it overcomes outdated data constraints, harnessing Digital 4.0 technologies to minimise data inconsistencies.
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Strategic Fleet Management: Integrated planning tools, specifically Austal Technology's LUSI engine, ensures fleet readiness and individual vessel availability aligned with the Fleet Operational Management Plan.

Contact details

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